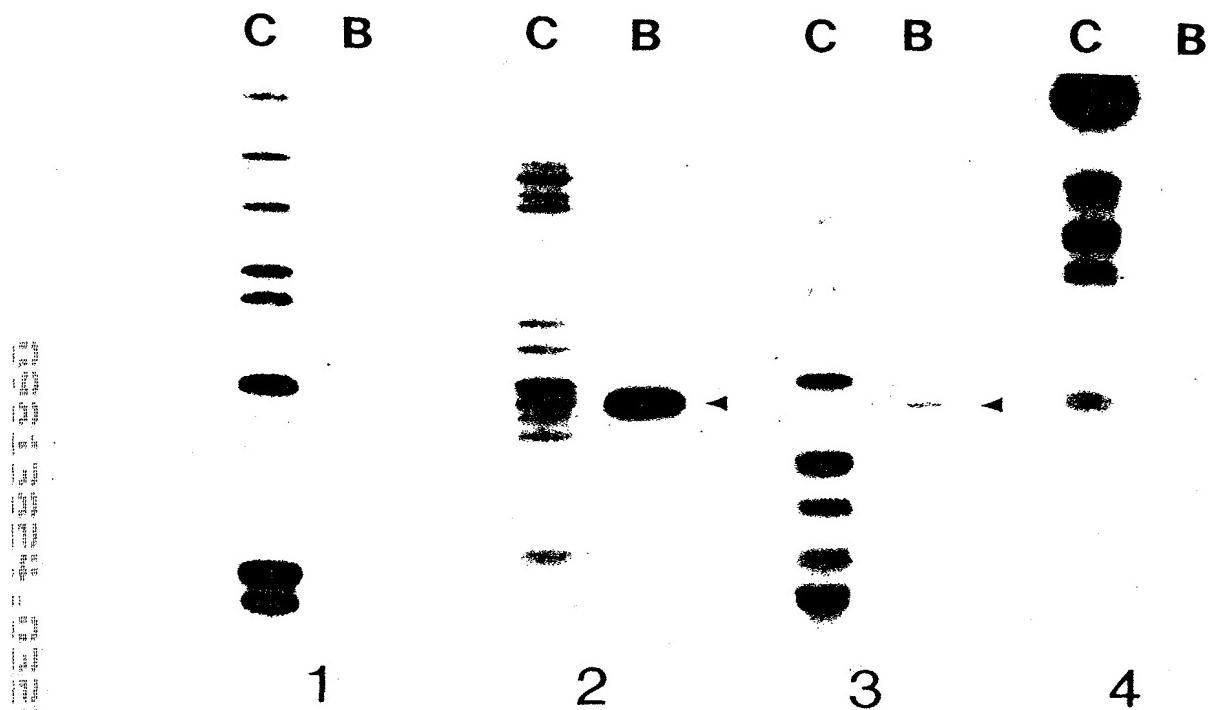


**FIG. IA**

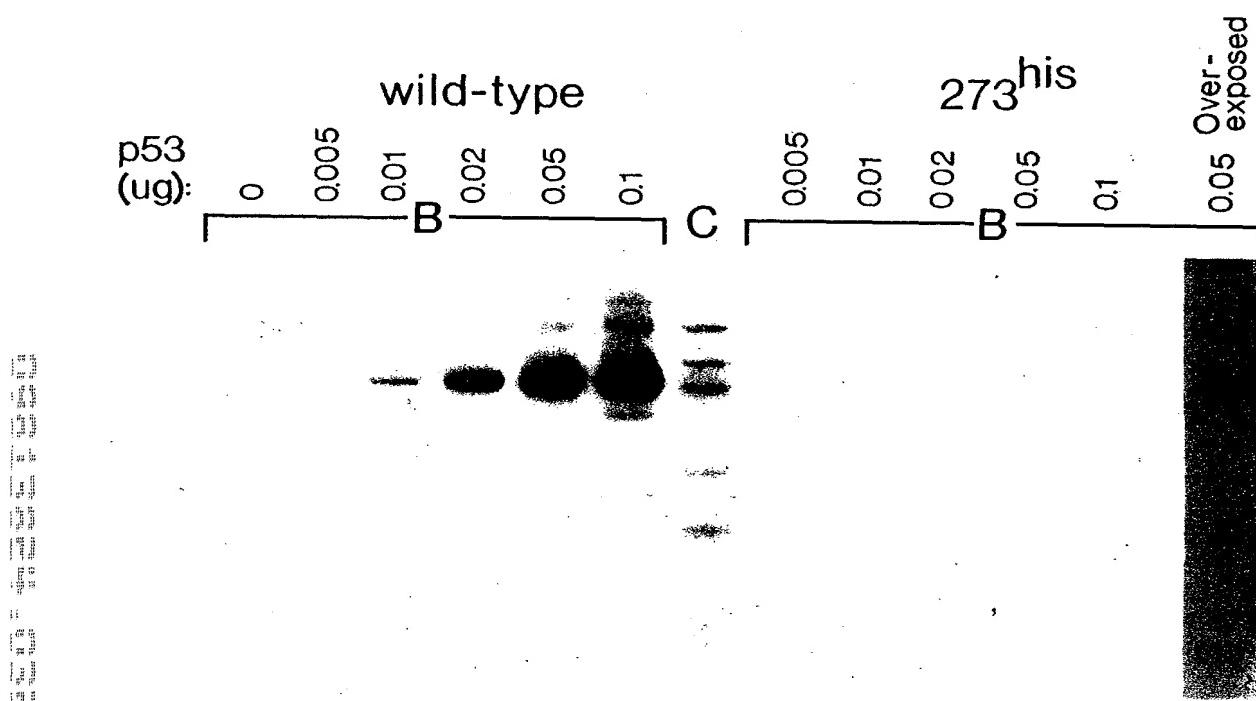


**FIG. IB**

Host cell:	HeLa			BSC40		
p53:	-	+	+	-	+	+
p53 Ab:	+	+	-	+	+	-



**FIG. 2A**



**FIG. 2B**

Protein source	Vac	Vac	Vac	Bac
p53:	-	wt	$175^{\text{his}}$	wt
	B	B	C	B
			B	B



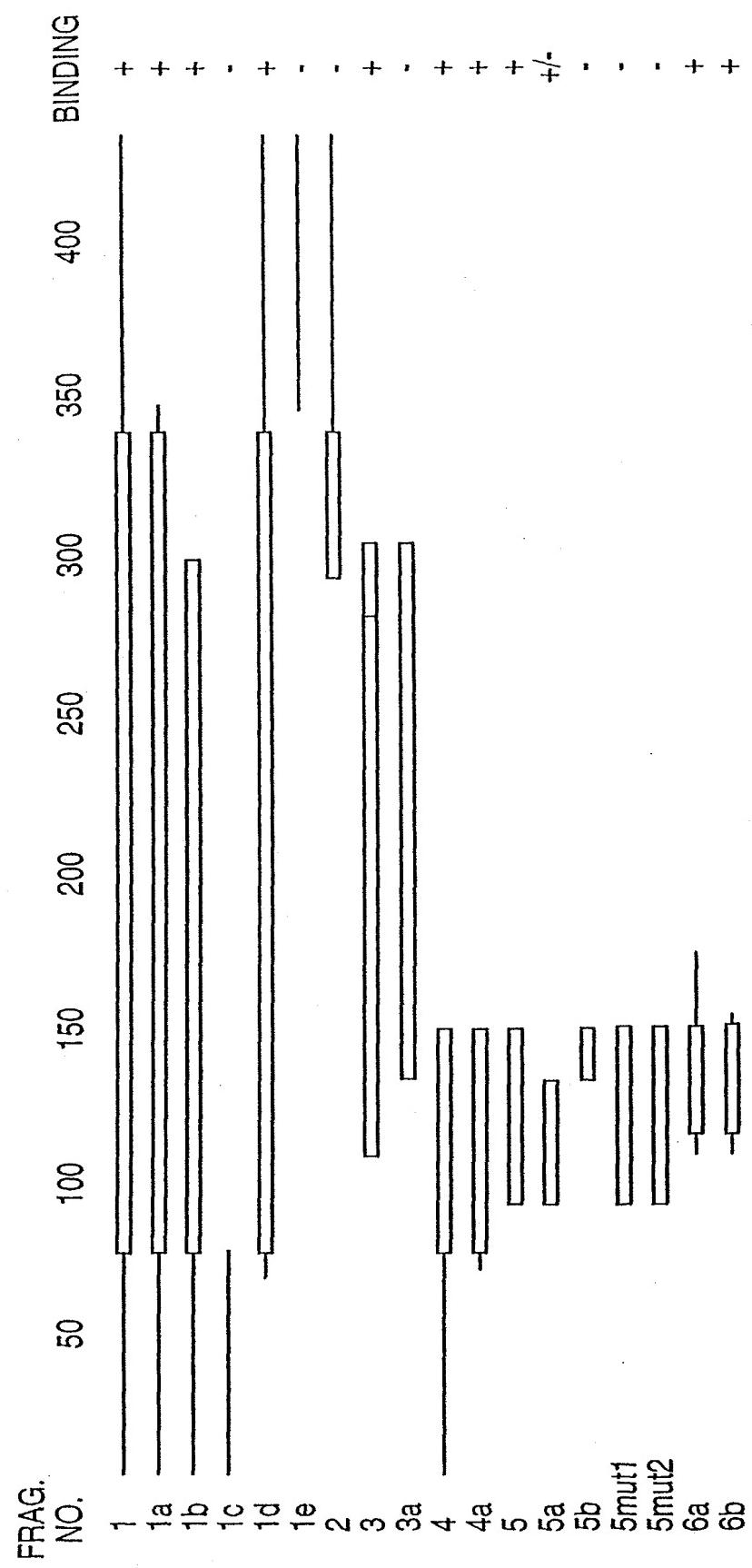
**FIG. 3A**

1 10 20 30 40 50 60 80 90  
 VECT 98  
 ↓  
 1 AATACGACTCACTATAGGGCAATTGGGTACCGGCCCCCTGAGGTATCGATAAGCTTGAATTCTCCAGATGTTAGTG  
 TTATGCTGAGTGTATCCCCGTTAACCCATGGGCCATTGGCTTAACCGTAACTGGGAAACGGGACCTGAAACGGGAA  
 100 110 120 130 140 150 160 170 180  
 AAAAGCAGGTAGATTGCCTGGCCTGGACTTGGCTGGCTTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTT  
 TTTCTGTCATCTAACGGAACCTAACGGAACCTAACGGAACCTAACGGAACCTAACGGAACCTAACGGAACCTAACGGAAC  
 190 200 210 220 230 240 250 260 270  
 TCTT  
 AGA  
 280 290 300 310 320 330 340 350 360  
 TAGAGGGCAATGGCCGATCTCGGCTCACCGCACCCCTCCGGCTCAAGGGATTGGGGATCCACTAGTTCTAGAGGCCGCC  
 ATCTCCCCTTACGGGCTAACGGGATGGCTAACGGCTAACGGCTAACGGCTAACGGCTAACGGCTAACGGCTAACGGCT  
 370 380 410 420  
 ACCGGGGTGGAGCTCAGCTTTTGTTCCTTAACTGAGGGTTAACT  
 TGGCCACCTCGAGGTGCAAAACAGGAATCACTCCCAATT

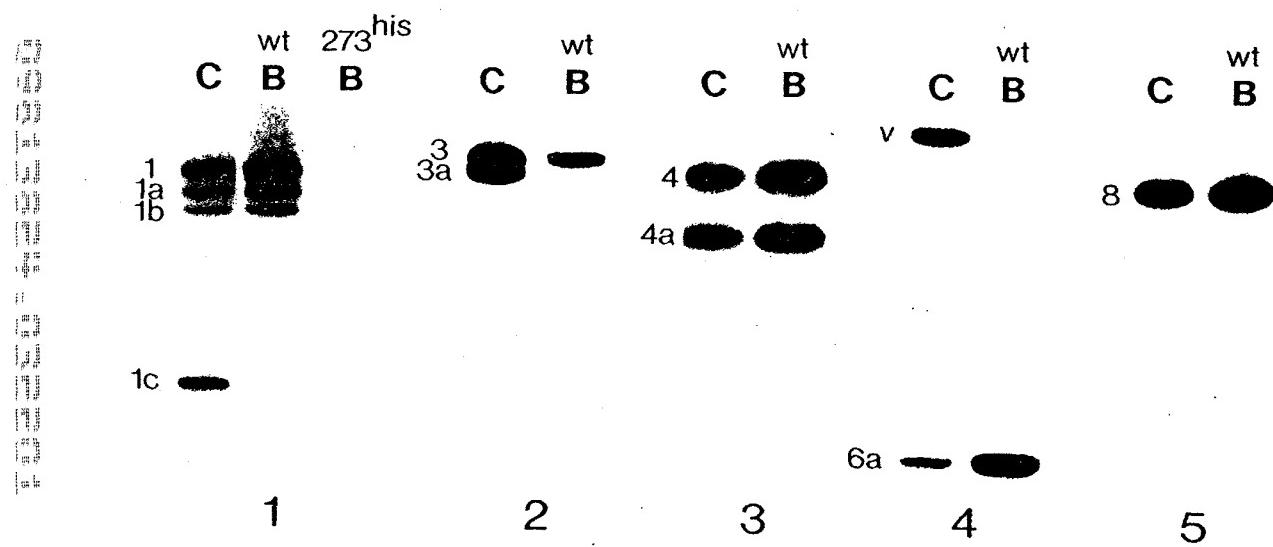
**FIG. 3B**

→  
VECTOR 10 20 30 40 50 60 70 80  
1 AAGCTTGAATCATGGAGGTGAGTTTCAGTGCTGTTCTCATGATAAGTCACTAAGTCTCCATGATGGTTTATAAGGGCA  
TTCGAACATTAGTACCTCCACTAAAAGGTACGACAAGAGTACTAGGACTGATTAGACTACCAAAATATTCCCCT  
100 110 120 130 140 150 160 170 180  
GTCCTTCTCACATGCTCTTGGCTTACCATGTAAGAACATGCCATGCTCCTCTGGCTTCTGCCATGATTGTGAGACCTCCCCA  
CAGGAAGATGTGTACGAGAACGAAACGATGGTACATTCTGTACGGACACAGGGAGAACGGAAAGAACGGTACTAACACTCTGGAAAGGT  
190 200 VECTOR → 210 220 230  
GCCATGTGGAACTGTGAGTATCGAATTCTGCAGCCCCGGGGATCCACTAGTTCTAGA  
CCTGACCCCTGACACTCATAGCTTAAGGAACGTCGGGCCCTAGGTCAAGATCT

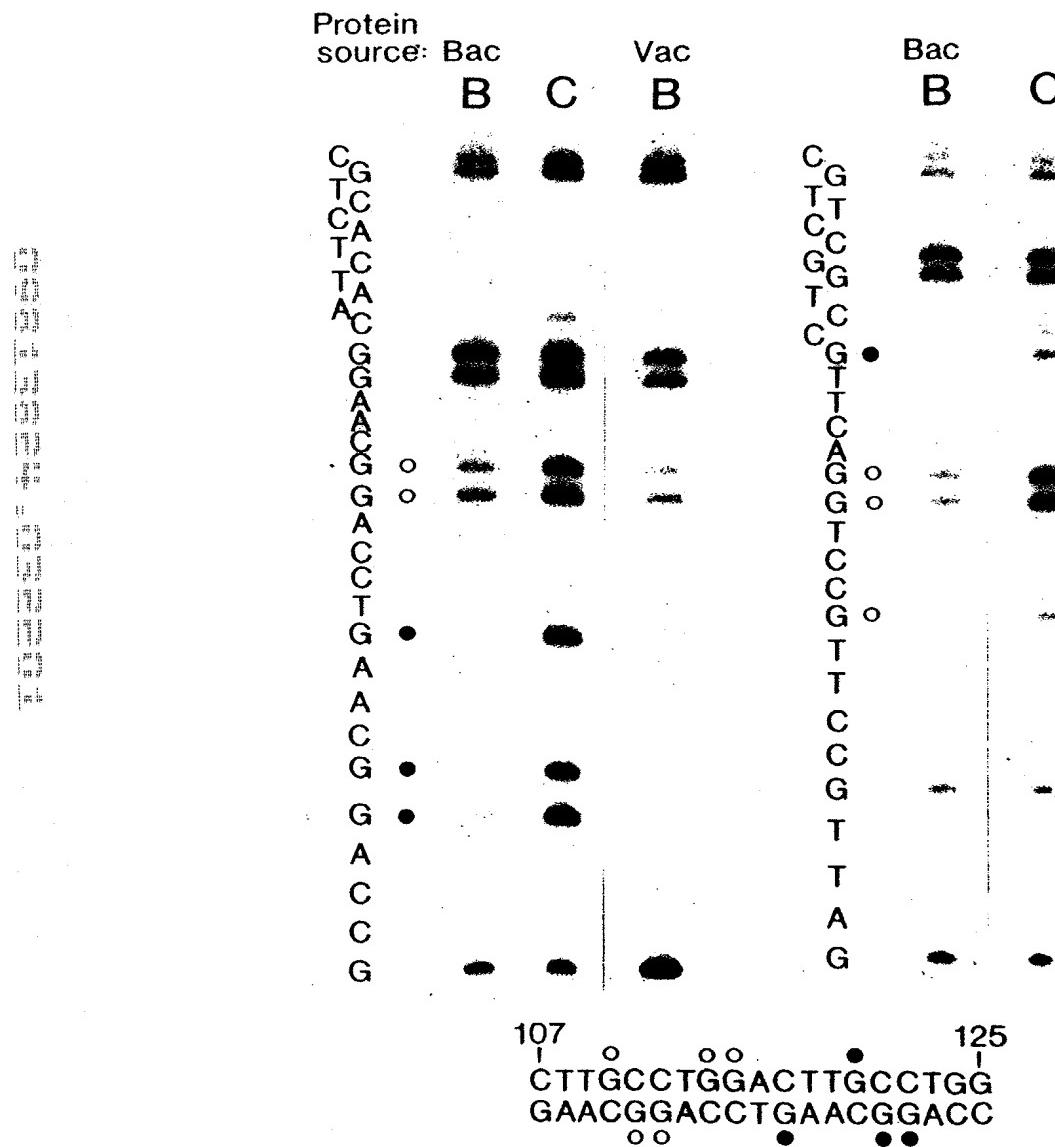
FIG. 4A



**FIG. 4B**



**FIG. 5A**



## FIG. 5B

Frag.

no:

5mut1

C B

5mut2

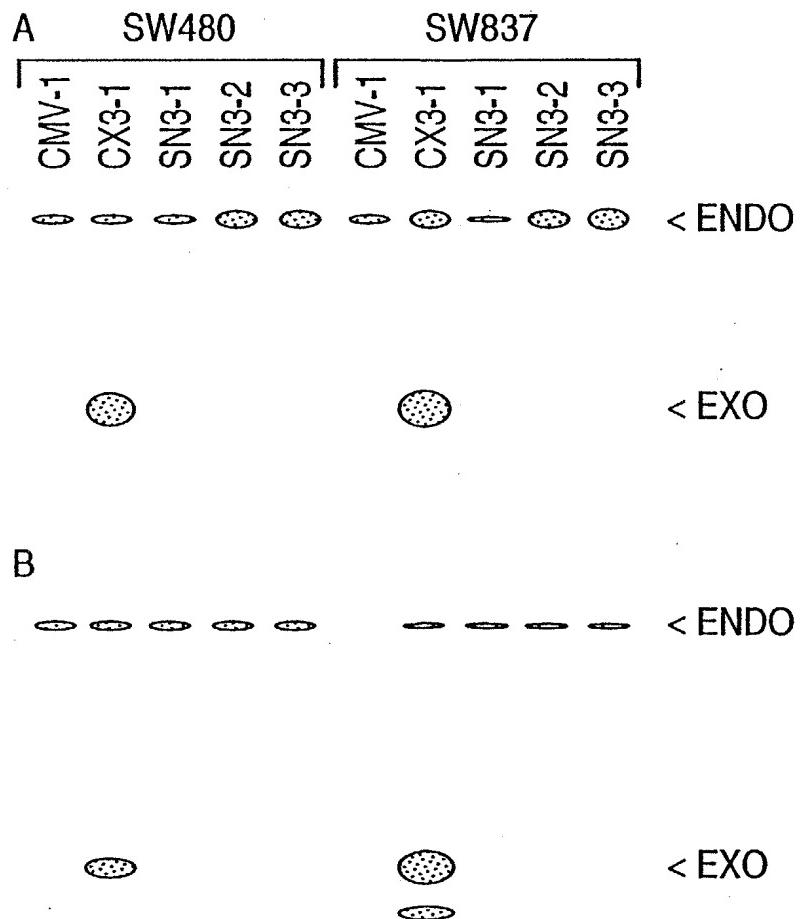
C B

5

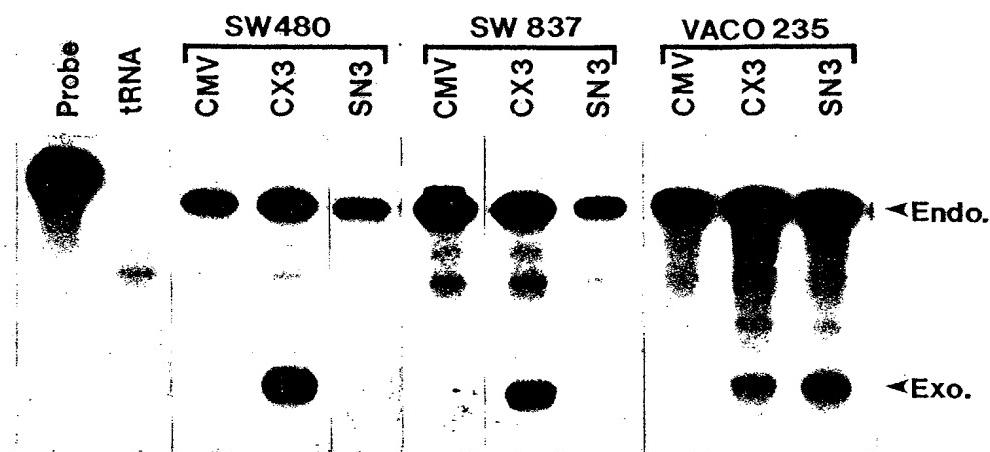
C B



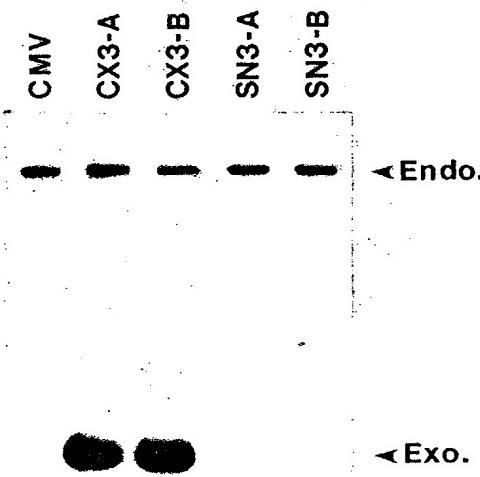
**FIG. 6**



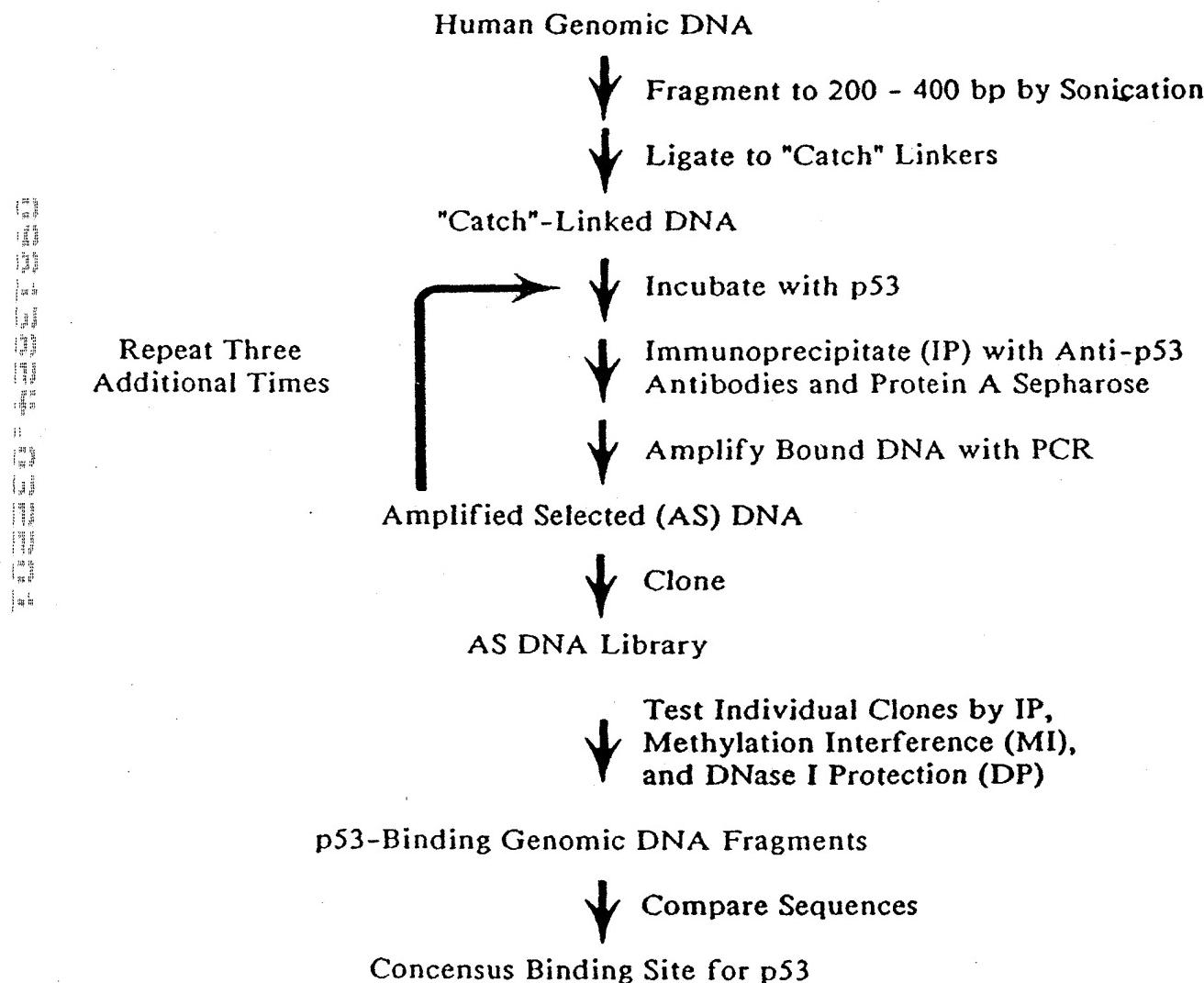
**FIG. 7A**



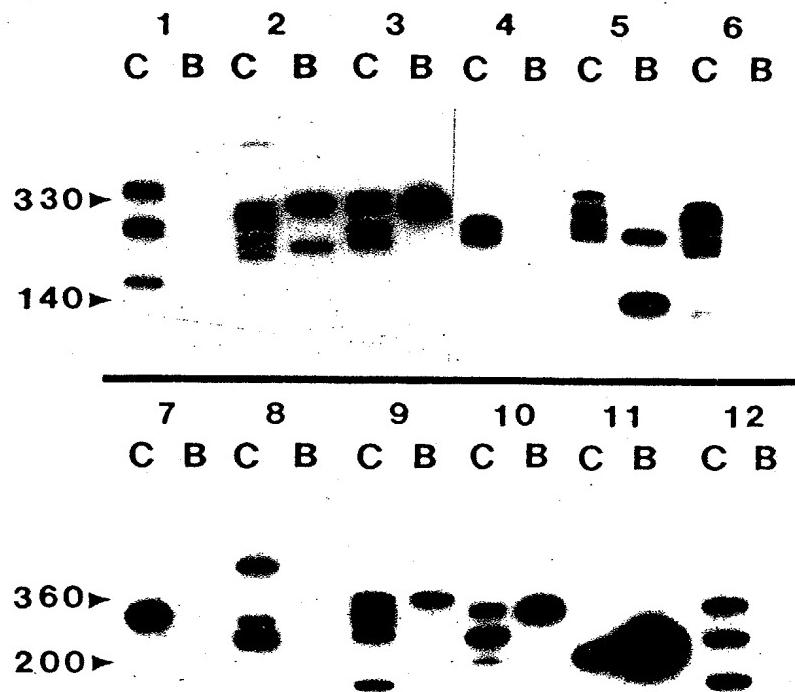
**FIG. 7B**



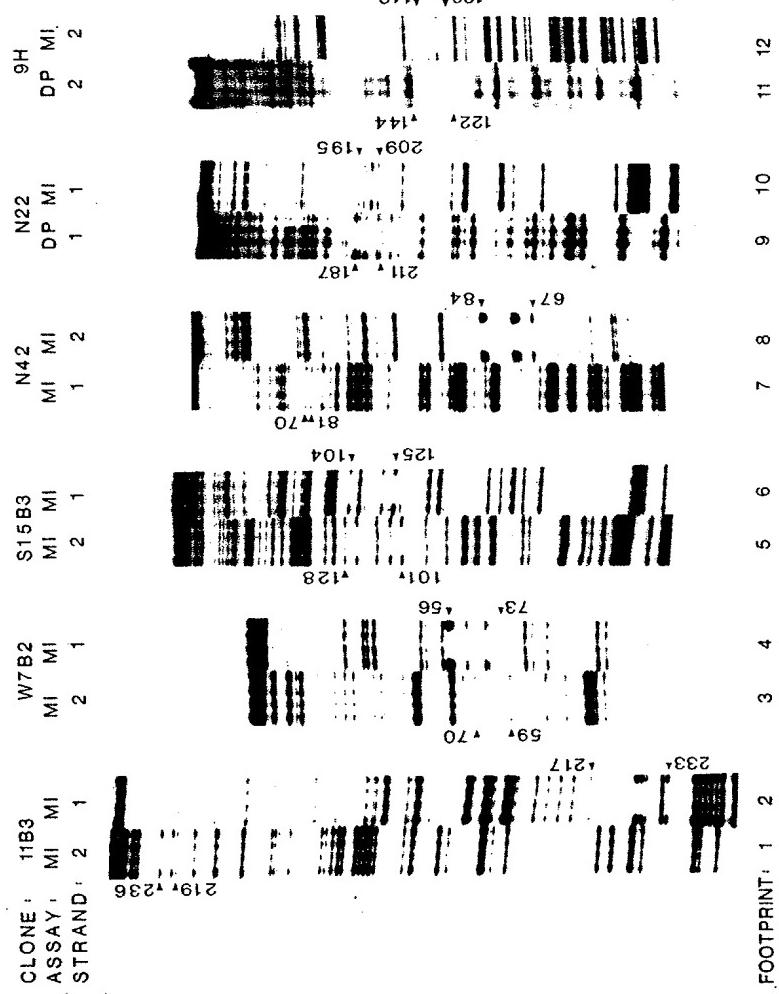
## FIG. 8A



**FIG. 8B**



**FIG. 9**



Combined Nucleotide Usage (%) within the Two Monomers of the Consensus Binding Site:

**FIG. 10A**

Clone	Size (bp)	5'-bp	monomer	R R R C W G Y Y Y	monomer
1. S57	295	144	cgaccctgtcacacccg	G G G C T G T C A	
2. W22	357	178	atttcacatgttt	C T G C A T G T C T	
3. 11A2	387	317	ccccatccactg	A A A C A A T G C C C	
4. W211	249	119	tttgtcctaccatcc	A G G C A T G C C C T	
5. W7B2	139	41	tatctgtgcagctgt	G G G C A T G T T T	t
6. 3H	126	50	aacttagatccctttc	A G A C A T G T T C C	
7. 8A	483	445	gctgggtgcacaagg	T G A C A T G T T C C	
8. 532	335	229	catcatgccaccctgc	A G G C A T G C C C T	
9. 64A2	349	120	caaaaccagggtgtct	T G A C T T G C C C T	
10. W7A1	264	124	gccaaacataaccac	C A G C T G C C A	
11. S61	202	1	c	C A A C T T G T C T	attctgtgttat
12. 11B3	248	201	actgtttagatgaa	A G A C A A G C C T	a
13. W42	248	49	gcagggtgtggagg	A A A C A A G C C C	a
14. S201	326	164	tgttcataacctgtcc	A C A C T T G T C T	
15. S15B3	248	83	cttaattcaatgtgt	A A A C A T G A C T T	
16. S5921	254	39	cteagttctcagctg	G G A C T T G C C C	
17. S5921I	254	130	tgccctcagcaccttc	A G G T T C T G C C C	
18. 2Nb	470	42	gccttttgttgtgccc	T G A C T T G C C C T	
19. 9H	467	108	gtattctcttttcct	A A G C A T G C C T	
20. CBE10d	425	89	tgaaggcaggtagat	T G C C T T G C C T	

**FIG. 10**

FIG. 10A	FIG. 10B
FIG. 10C	FIG. 10D

R R R C W H G Y Y Y mmmmmmmmmmm  
3'-bp

C A G C A T G a C C T    acctgtcacacccggg    194  
 A G G C A A G T C a    ccttctcaactggcc    227  
 A G A C T T G T C T    ctccggcctgaatga    367  
 A G A C T T G C C T    cactcgttatttcct    164  
 A G G C A A G C T T    cctgtgtcttagttccc    91  
 t A A C A A G T C a    gtacaaggtttatTTT    99  
 C G G C T G T C T    tgtc    483  
 t G A C A T G T C T    ttgtgttttgtgttt    282  
 A G G C A T G C a g    ctccccctccccctc    181  
 C G A C A T G T C T    taccacgctcagccc    173  
 C G G C A B G T C C    cggtttttggctatt    49  
 C G G A t G T G C C    tggggggggggggg    248  
 A t A C C T G C C T    agggcaggctggac    99  
 t G A C A T G T C T    acacctgtcttggttt    214  
 t G G C C A G C C C    aattacaabttcgatt    143  
 G G G C T T G T T C    tgggggtcaactgtgc    88  
 A G A C A T G T T C    ctttcccttcagcat    179  
 t G A C T T G T C T    ggaaatgtctgtgc    91  
 G G A C T T G C C T    ttcatcttcctctga    157  
 ggccttgcctttct    138

# FIG. IOC

	<u>5'</u> - R	R	R	C	W	U
A	<u>40</u>	<u>20</u>	<u>55</u>	0	<u>53</u>	<u>15</u>
C	13	3	3	<u>23</u>	8	0
G	<u>23</u>	<u>70</u>	<u>40</u>	0	8	3
T	23	5	0	5	<u>30</u>	<u>82</u>

Synthetic Oligonucleotides:

p53 Binding

No.  
1. 2. 3. 4. 5. 6. 7. 8. 9. 10.

A G G A T t C C T  
 A G G A T t C C T  
 A G G C A T G T C T  
 A G G C A T G T C T  
 A G G C A A G G C A  
 A G G C A T G T C T  
 A G G C A T G T C T  
 A G G C A T G T C T  
 A G G C A T G T C T  
 tgcaggaaatttcgat  
 tgcaggaaatttcgat  
 tgcaggaaatttcgat  
 tgcaggaaatttcgat  
 tgcaggaaatttcgat

## FIG. IOD

G Y Y -3'

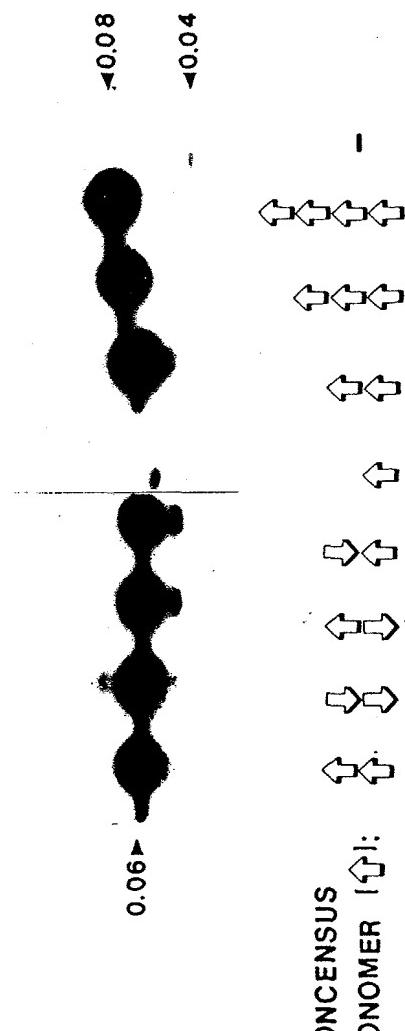
0	0	0	12	A
0	<u>50</u>	<u>68</u>	<u>35</u>	C
<u>100</u>	0	0	3	G
0	<u>50</u>	<u>30</u>	<u>48</u>	T

A G G a A T t C C T

A G G C A T G C C T  
A G G C A A G g C a  
A G G C A T G T C T atcaagcttatcgat  
A G A C A T G C C T atcaagcttatcgat  
A G G C A T G T C T atcaagcttatcgat  
atcaagcttatcgat  
atcaagcttatcgat

**FIG. II A**

1      2      3      4      5      6      7      8      9  
C B C B C B C B C B C B C B C B C B  
2.9 ►



CONSENSUS  
MONOMER (↑):

1 2 3 4 5 6 7

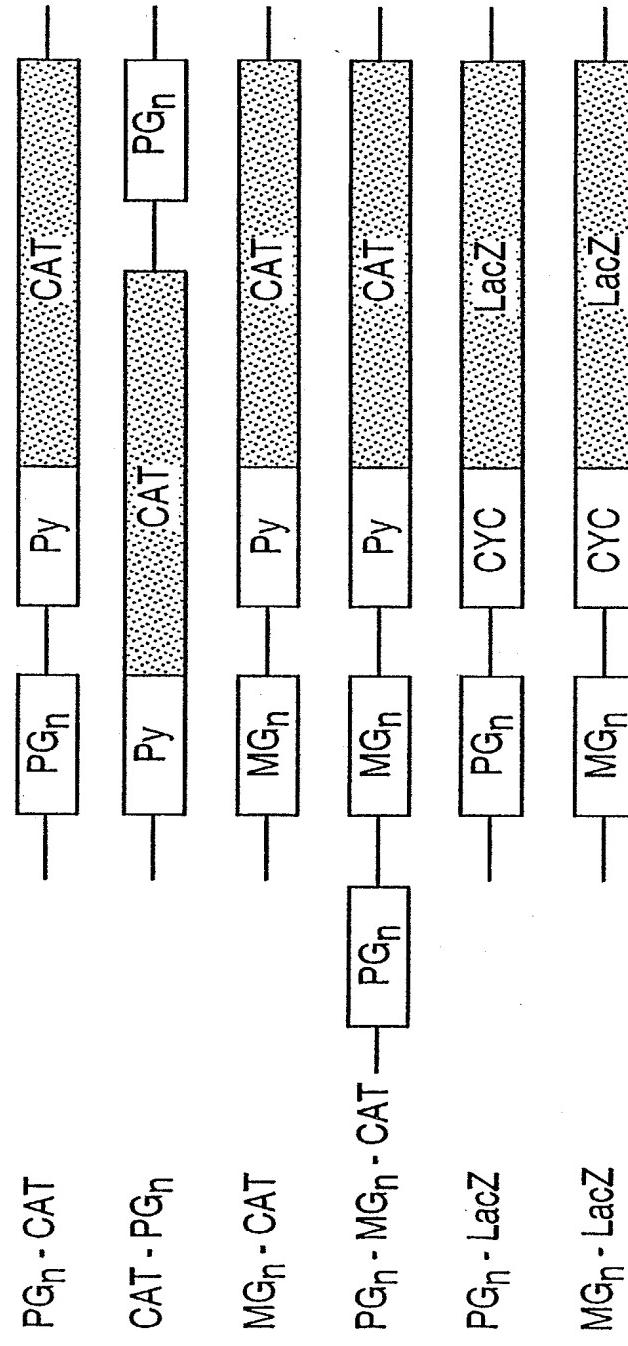
0.06 ►

## FIG. II B

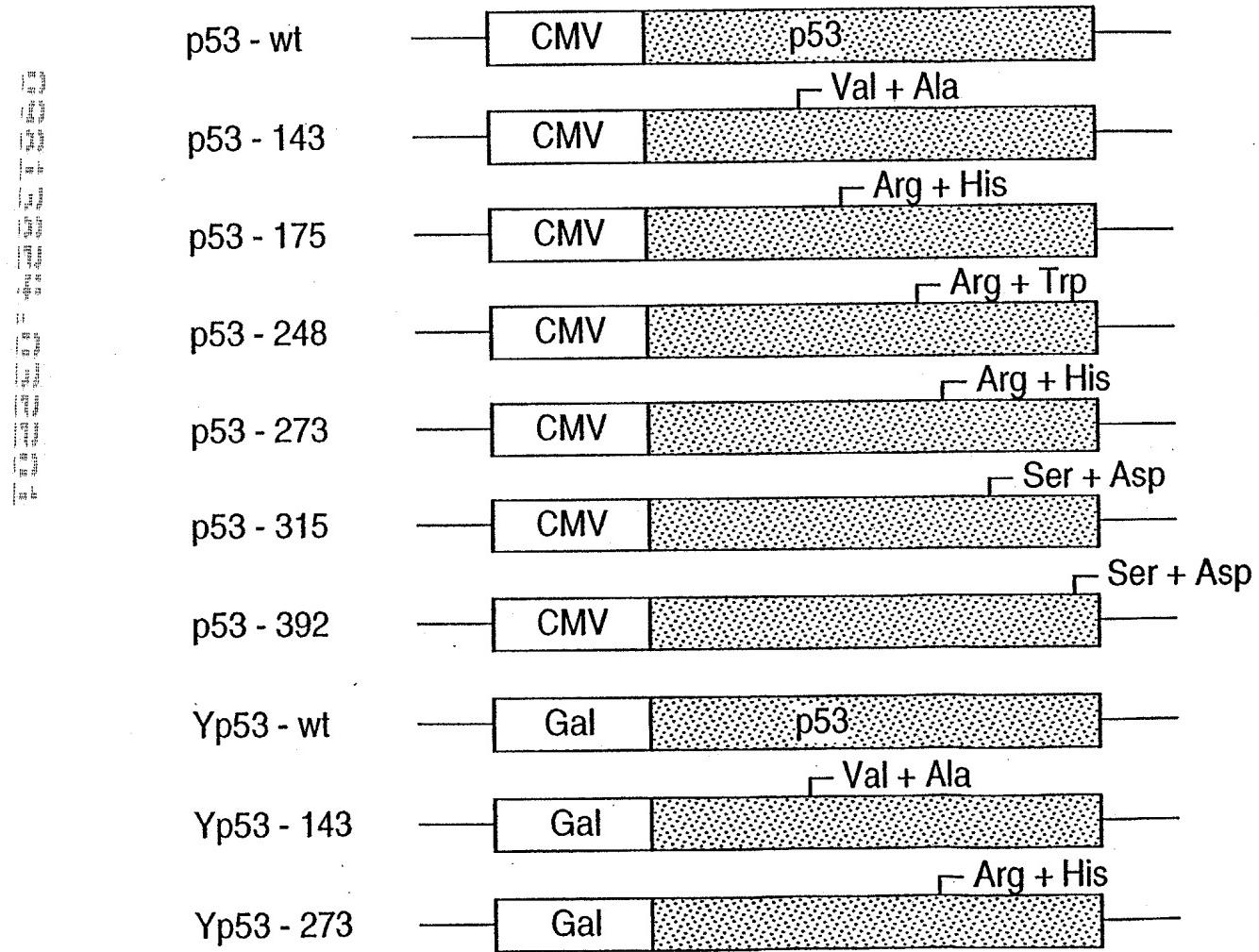
p 53 : w.t. 143 175 248 273 w.t.  
C B B B B B

2.9 ►

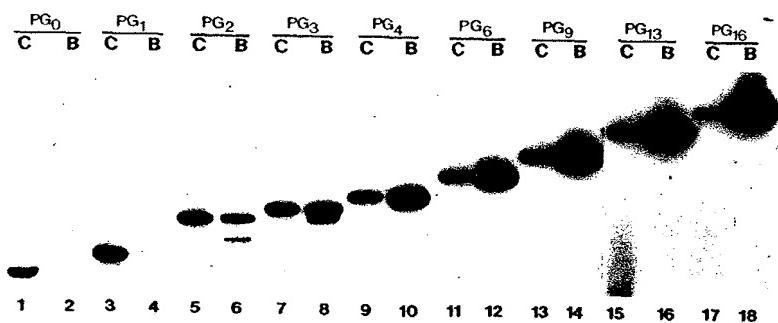
**FIG. 12A**



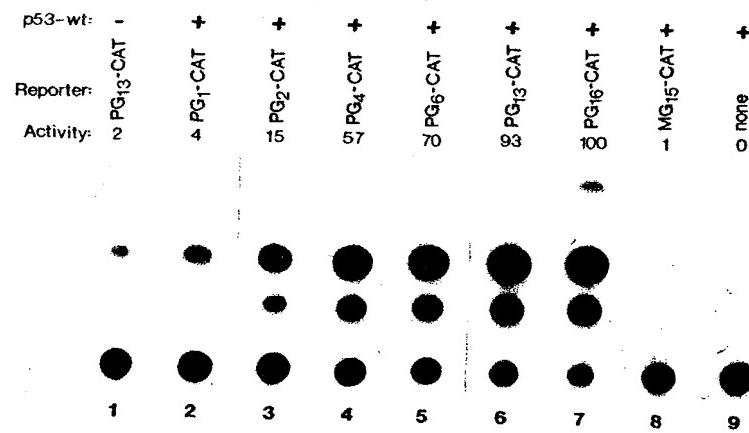
**FIG. 12B**



**FIG. 13A**



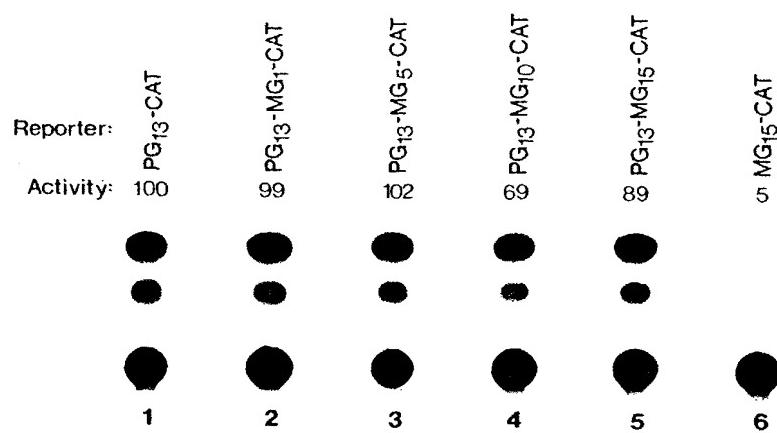
**FIG. 13B**



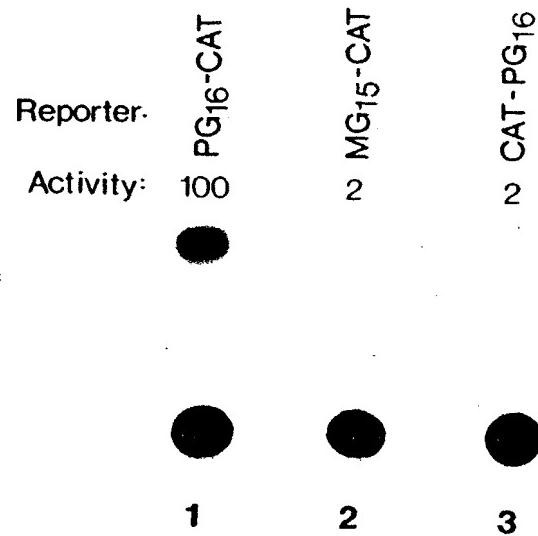
**FIG. 14**



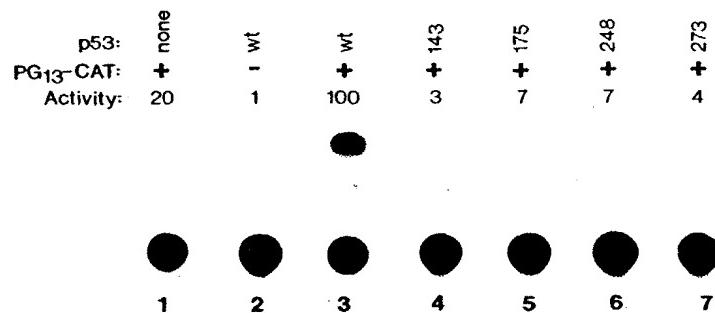
**FIG. 15A**



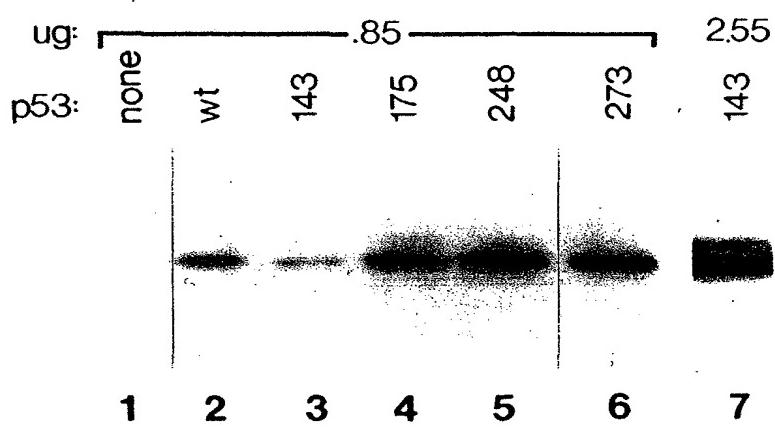
**FIG. 15B**



# FIG. 16A

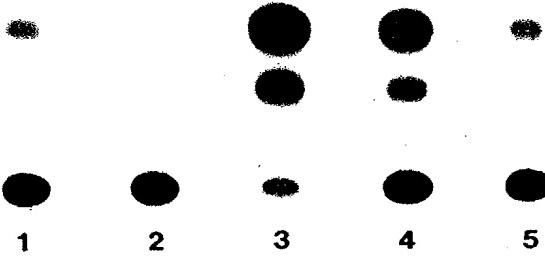


# FIG. 16B

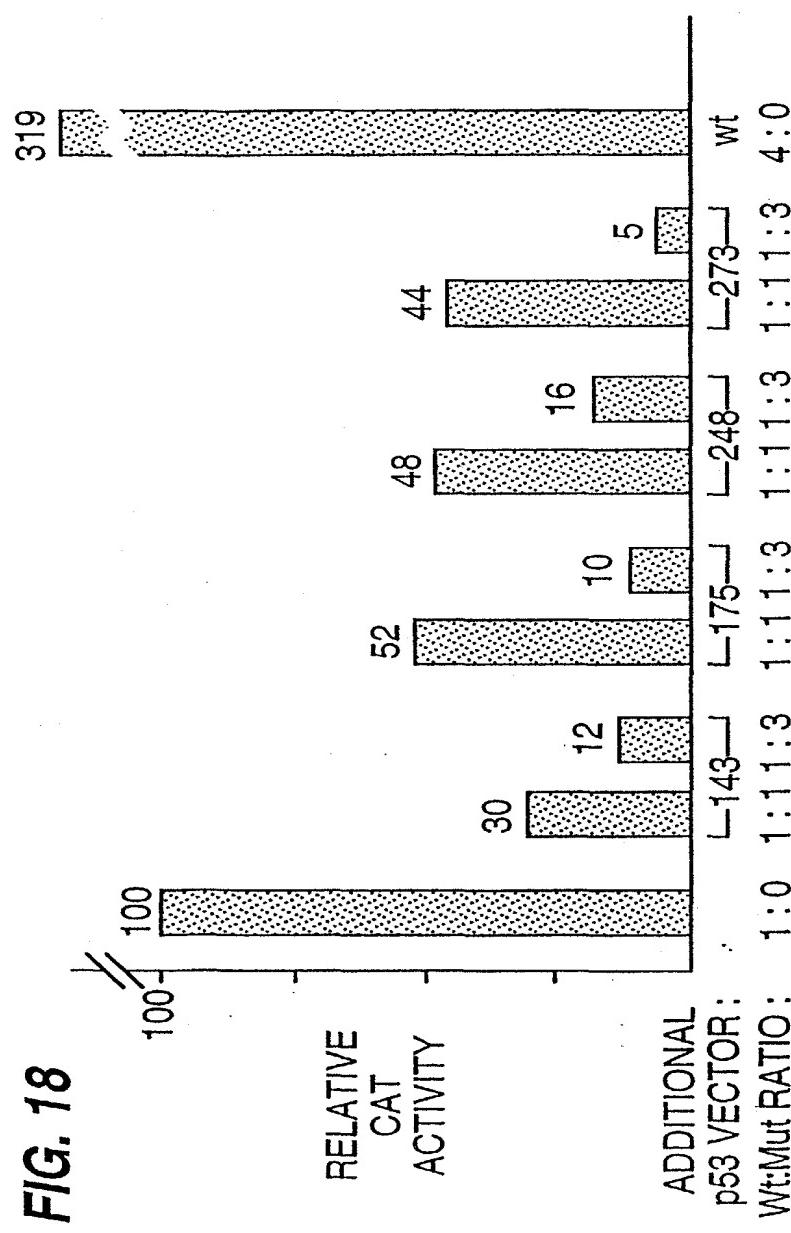


**FIG. 17**

p53-wt (ug):	0	85	.85	.85	.85
p53-175 (ug):	0	0	0	.85	2.55
PG <sub>13</sub> -CAT:	+	-	+	+	+
Activity:	12	0	100	44	11

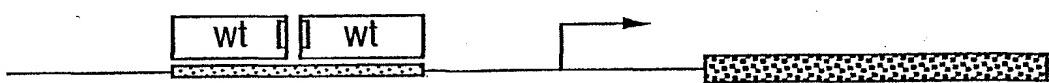
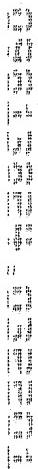


**FIG. 18**

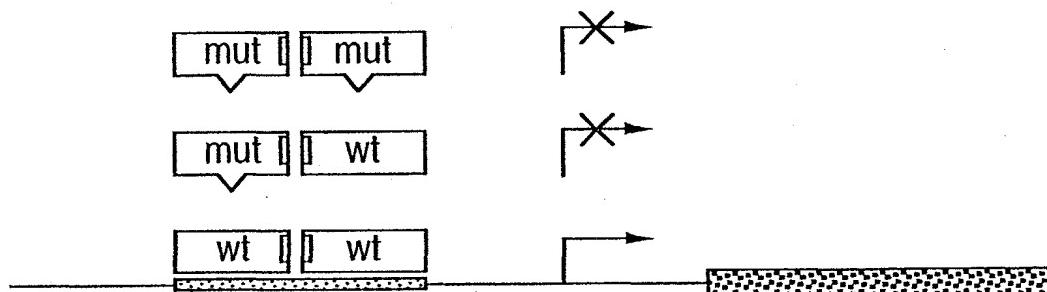


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**FIG. 19**



## p53 MISSENSE MUTATION



## LOSS OF WILD-TYPE ALLELE

